

VERSIONING IN THE DYNAMIC DISPLAY SYSTEM

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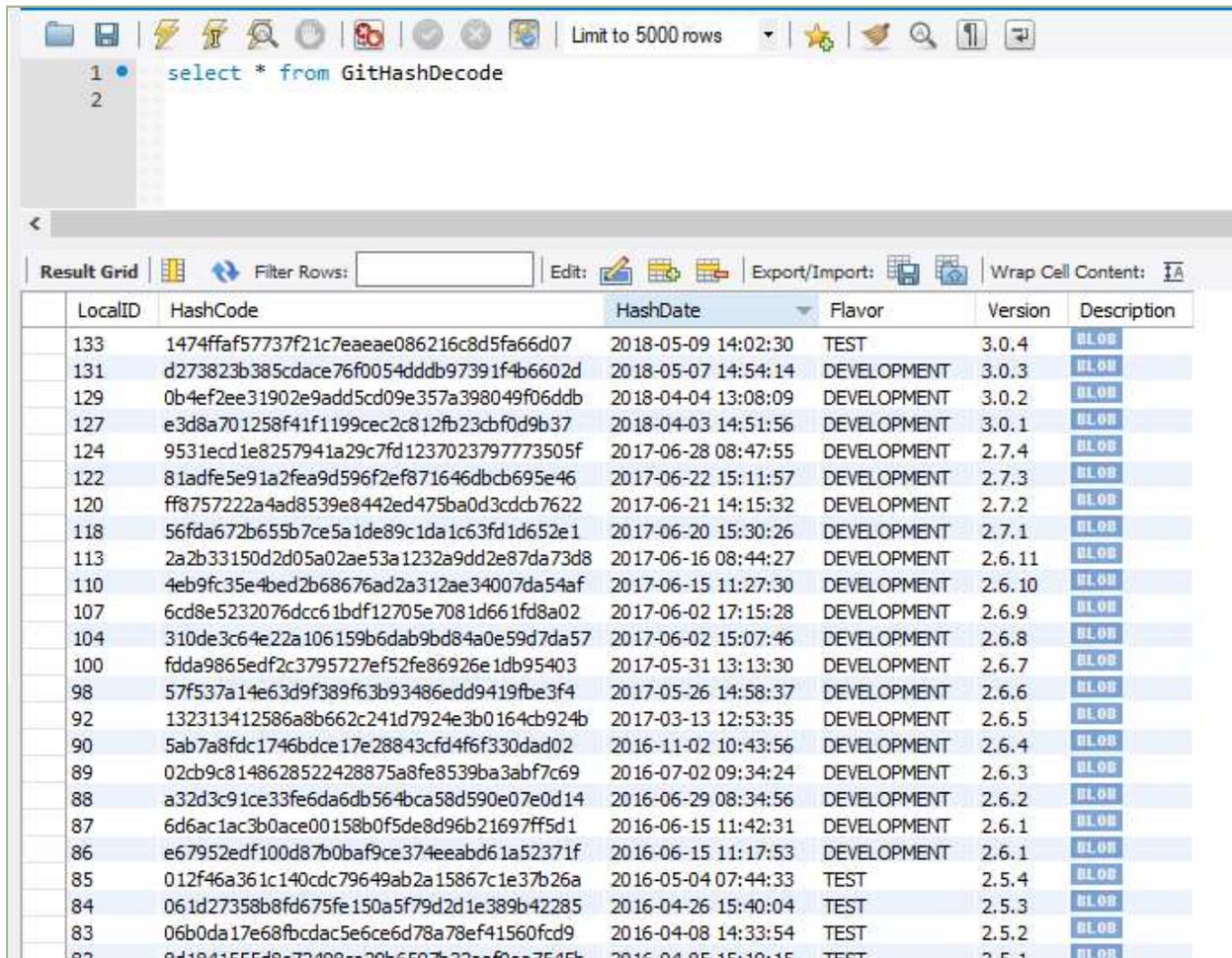
Elliott McCrory

This document explains how software versioning is implemented in the Dynamic Display system.

Note that all files that are needed to run a client in the system are saved. This includes Java bytecode files, shell scripts (Linux), and batch files (Windows).

THROUGH GIT

The software is under the control of GIT; thus, versioning can be obtained through that system. To facilitate this, there is a database table that contains all the versioning information, keyed on the GIT hashcode for that release. For example:



The screenshot shows a database query tool interface. The query entered is `select * from GitHashDecode`. The results are displayed in a table with the following columns: LocalID, HashCode, HashDate, Flavor, Version, and Description. The table contains 20 rows of data, showing a progression of versions from 2.5.1 to 3.0.4. Each row includes a unique Git hashcode, a timestamp, a flavor (TEST or DEVELOPMENT), and a description (BLOB).

LocalID	HashCode	HashDate	Flavor	Version	Description
133	1474ffaf57737f21c7eaae086216c8d5fa66d07	2018-05-09 14:02:30	TEST	3.0.4	BLOB
131	d273823b385cdace76f0054ddd97391f4b6602d	2018-05-07 14:54:14	DEVELOPMENT	3.0.3	BLOB
129	0b4ef2ee31902e9add5cd09e357a398049f06ddb	2018-04-04 13:08:09	DEVELOPMENT	3.0.2	BLOB
127	e3d8a701258f41f1199cec2c812fb23cbf0d9b37	2018-04-03 14:51:56	DEVELOPMENT	3.0.1	BLOB
124	9531ecd1e8257941a29c7fd1237023797773505f	2017-06-28 08:47:55	DEVELOPMENT	2.7.4	BLOB
122	81adfe5e91a2fea9d596f2ef871646dbc695e46	2017-06-22 15:11:57	DEVELOPMENT	2.7.3	BLOB
120	ff8757222a4ad8539e8442ed475ba0d3cddb7622	2017-06-21 14:15:32	DEVELOPMENT	2.7.2	BLOB
118	56fda672b655b7ce5a1de89c1da1c63fd1d652e1	2017-06-20 15:30:26	DEVELOPMENT	2.7.1	BLOB
113	2a2b33150d2d05a02ae53a1232a9dd2e87da73d8	2017-06-16 08:44:27	DEVELOPMENT	2.6.11	BLOB
110	4eb9fc35e4bed2b68676ad2a312ae34007da54af	2017-06-15 11:27:30	DEVELOPMENT	2.6.10	BLOB
107	6cd8e5232076dcc61bdf12705e7081d661fd8a02	2017-06-02 17:15:28	DEVELOPMENT	2.6.9	BLOB
104	310de3c64e22a106159b6dab9bd84a0e59d7da57	2017-06-02 15:07:46	DEVELOPMENT	2.6.8	BLOB
100	fd8a9865edf2c3795727ef52fe86926e1db95403	2017-05-31 13:13:30	DEVELOPMENT	2.6.7	BLOB
98	57f537a14e63d9f389f63b93486edd9419fbc3f4	2017-05-26 14:58:37	DEVELOPMENT	2.6.6	BLOB
92	132313412586a8b662c241d7924e3b0164cb924b	2017-03-13 12:53:35	DEVELOPMENT	2.6.5	BLOB
90	5ab7a8fdc1746bdce17e28843cfd4f6f330dad02	2016-11-02 10:43:56	DEVELOPMENT	2.6.4	BLOB
89	02cb9c8148628522428875a8fe8539ba3abf7c69	2016-07-02 09:34:24	DEVELOPMENT	2.6.3	BLOB
88	a32d3c91ce33fe6da6db564bca58d590e07e0d14	2016-06-29 08:34:56	DEVELOPMENT	2.6.2	BLOB
87	6d6ac1ac3b0ace00158b0f5de8d96b21697ff5d1	2016-06-15 11:42:31	DEVELOPMENT	2.6.1	BLOB
86	e67952edf100d87b0baf9ce374eeabd61a52371f	2016-06-15 11:17:53	DEVELOPMENT	2.6.1	BLOB
85	012f46a361c140cdc79649ab2a15867c1e37b26a	2016-05-04 07:44:33	TEST	2.5.4	BLOB
84	061d27358b8fd675fe150a5f79d2d1e389b42285	2016-04-26 15:40:04	TEST	2.5.3	BLOB
83	06b0da17e68fbcdac5e6ce6d78a78ef41560fcd9	2016-04-08 14:33:54	TEST	2.5.2	BLOB
82	8d1841555d8c72498ce29b6597b22aaf0ea7545b	2016-04-05 15:19:15	TEST	2.5.1	BLOB

THROUGH WEB DOWNLOAD

In lieu of getting the software from GIT, the software can also be downloaded from the Dynamic Display web site as zip files:

<https://dynamicdisplays.fnal.gov/dynamicdisplays.zip>

<https://dynamicdisplays.fnal.gov/dynamicdisplaysSrc.zip>

These ZIP files will return the latest version always, independent of the release flavor.

To obtain a specific release version, use this URL template:

https://dynamicdisplays.fnal.gov/software/dynamicdisplays_A_B_C.zip

https://dynamicdisplays.fnal.gov/software/dynamicdisplaysSrc_A_B_C.zip

where A_B_C corresponds to the version number in the database. For example

https://dynamicdisplays.fnal.gov/software/dynamicdisplays_3_0_4.zip

TIME LIMIT

As of the writing of this document, all future versions will abide by this scheme. In other words, no version prior to 3.0.4 is available as a ZIP file.